storeLocatorPage

Store Locator Page This document aims to define the functionality and structure required to develop a Store Locator Page in a web application. The Store Locator Page allows users to find nearby store locations based on their preferences or geographical location. Overview ■ The Store Locator Page serves as a platform for users to search for and locate nearby stores, outlets, or branches of a business or service provider. It enables users to find store details, directions, and contact information. Components ■ The Store Locator Page will consist of the following components: MapDisplayComponent ■ Displays an interactive map interface using a mapping library (e.g., Google Maps, Mapbox). Shows store locations, markers, and provides navigation controls. StoreListDisplayComponent ■ Presents a list of nearby stores in a structured format. Includes details such as store name, address, distance, and options for further actions. SearchStoresComponent ■ Provides search filters or input fields allowing users to search for specific stores by name, location, or category. StoreLocatorPageComponent ■ Acts as the main container, rendering MapDisplayComponent, StoreListDisplayComponent, SearchStoresComponent, and other relevant components. Manages the layout, interactions, and data flow within the Store Locator Page. Functionality: ■ Display Store Locations ■ Renders an interactive map displaying nearby store locations with markers and navigation controls. List Nearby Stores ■ Presents a list of nearby stores with details such as store name, address, distance, and additional actions. Search Functionality ■ Provides search filters allowing users to search for specific stores by name, location, or category. Filters and displays relevant stores based on the search query. Testing: ■ Conducts unit tests for each component and functionality. Ensures accurate display and functionality of the map, nearby store lists, search features, and interactions within the Store Locator Page. Future Enhancements: ■ Implement user reviews or ratings for stores. Include additional store details such as store hours, contact information, or available services. Introduce geolocation services for automatic user location identification. Conclusion: ■ The Store Locator Page provides users with an intuitive and efficient way to find nearby stores, view store details, and obtain directions, enhancing their overall experience within the application.